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APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/629,054	07/29/2003	Tomoaki Hirayama	9683/157	5919	
7590 11/15/2005			EXAMINER		
Joseph W. Flerlage			APPIAH, CHARLES NANA		
BRINKS HOFER GILSON & LIONE P.O. BOX 10395 CHICAGO, IL 60610			ART UNIT	PAPER NUMBER	
			2686		
			DATE MAILED: 11/15/200	DATE MAILED: 11/15/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary		Applica	tion No.	. Applicant(s)				
		10/629	,054	HIRAYAMA ET A	HIRAYAMA ET AL.			
		Examin	er	Art Unit				
			N. Appiah	2686				
Period fo	The MAILING DATE of this communi or Reply	cation appears on t	he cover sheet	with the correspondence a	ddress			
WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FO CHEVER IS LONGER, FROM THE MA nsions of time may be available under the provisions of SIX (6) MONTHS from the mailing date of this comming period for reply is specified above, the maximum state to reply within the set or extended period for reply we reply received by the Office later than three months afted patent term adjustment. See 37 CFR 1.704(b).	AILING DATE OF of 37 CFR 1.136(a). In no unication. tutory period will apply and will, by statute, cause the a	THIS COMMUN event, however, may will expire SIX (6) Mi pplication to become	NICATION.  a reply be timely filed  ONTHS from the mailing date of this of ABANDONED (35 U.S.C. § 133).				
Status								
1)🖂	Responsive to communication(s) file	d on 26 August 201	75					
2a)□		b)⊠ This action is						
3)	==,_=							
<i>,</i> —	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Dispositi	on of Claims	·		,				
4) 又	4)⊠ Claim(s) <u>1-24</u> is/are pending in the application.							
	4a) Of the above claim(s) is/are withdrawn from consideration.							
	<ul> <li>✓ Claim(s) 1-13 and 15-24 is/are allowed.</li> </ul>							
	☐ Claim(s) 14 is/are rejected.							
	Claim(s) is/are objected to.							
	Claim(s) are subject to restrict	tion and/or election	requirement.					
	on Papers							
	The specification is objected to by the	Evaminar						
	The drawing(s) filed on is/are:		h) Cabineted t	a by the Evernines				
الـــا(١٥				=				
	Applicant may not request that any object Replacement drawing sheet(s) including				NED 4 404(4)			
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
	ınder 35 U.S.C. § 119			•				
12)	Acknowledgment is made of a claim f	or foreign priority u	inder 35 I I.S.C.	& 119(a)-(d) or (f)				
	12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:							
-7.		documents have he	en received					
	<ul> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No</li> </ul>							
	3. Copies of the certified copies of				l Stago			
	application from the Internation			in received in this National	i Stage			
* 5	see the attached detailed Office action	•	` ''	ot received				
		2. 2. 3.0. 0. 4.10 00						
Attachmen	r(<)							
_	e of References Cited (PTO-892)		4) Interview	v Summary (PTO-413)				
2) 🔲 Notic	e of Draftsperson's Patent Drawing Review (P1		Paper No	o(s)/Mail Date				
	nation Disclosure Statement(s) (PTO-1449 or F · No(s)/Mail Date	PTO/SB/08)	5)  Notice of 6) Other: _	f Informal Patent Application (PT)	O-152)			

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### **DETAILED ACTION**

#### Terminal Disclaimer

1. The terminal disclaimer filed on 8/26/05 disclaiming the terminal portion of any patent granted on this application, which would extend beyond the expiration date of Patent No. 6,658,257 has been reviewed and is accepted. The terminal disclaimer has been recorded.

## Response to Arguments

2. Applicant's arguments with respect to claim 14 have been considered but are most in view of the new ground(s) of rejection.

# Claim Rejections - 35 USC § 112

3. Claim 14 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

With regard to claim 14, it is not clear how "within each allotted frequency bands, allotting non-adjacent communication frequency bands being a communication frequency band which is the highest and a communication frequency band which is the lowest in the frequency band corresponding to that carrier, to low power communications" is carried out. This makes the claim indefinite as it is not clear how the non-adjacent communication frequency band, which is the <a href="https://distribution.org/linearing-new-communication">highest</a> and a communication frequency band which is the <a href="https://distribution.org/linearing-new-communication">highest</a> and a communication frequency band which is the <a href="https://distribution.org/linearing-new-communication">highest</a> and a communication frequency band which is the <a href="https://distribution.org/linearing-new-communication">highest</a> and a communication frequency band which is the <a href="https://distribution.org/linearing-new-communication">highest</a> and a communication.

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## Allowable Subject Matter

4. Claims 1-13 and 15-24 are allowed.

#### Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Dent (6,061,568) discloses a method for mitigating intermodulation distortion between frequency bands through allocation of different frequency bands to high and low power communications.

Hamabe (6,574,456) discloses a method for preventing interference of adjacent frequencies in a cellular communication system.

Bruckert et al. (5,430,761) discloses the use of frequency partitioning assign frequency spectrum based on power level.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Charles N. Appiah whose telephone number is 571 272-7904. The examiner can normally be reached on M-F 7:30AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marsha Banks-Harold can be reached on 571 272-7905. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

CA

CHARLES APPIAH
PRIMARY EXAMINER